

Eaton 121726

Catalog Number: 121726

Eaton Moeller® series PKE Trip block, 8 - 32 A, Motor protection, Connection to SmartWire-DT: no, For use with: PKE32 basic device

General specifications



Product Name

Eaton Moeller® series PKE Trip block

Catalog Number

121726

EAN

4015081195367

Product Length/Depth

41.6 mm

Product Height

64.2 mm

Product Width

45 mm

Product Weight

0.09 kg

Compliances

CE Marked

Certifications

IEC 60947-4-1
CSA Std. C22.2 No. 14-10
UL 508
EN 60947-4-1
VDE
CSA
IEC/EN 60947-4-1
CE
CSA Class No.: 3211-05
CSA-C22.2 No. 14-10
IEC/EN 60947
UL
CSA File No.: 165628
UL Category Control No.: NLRV
UL File No.: E36332
VDE 0660

Catalog Notes

This is a product for Environment A (Industrial). In environment B (household) this device may cause undesirable radio interference. In this case the user may be obliged to take appropriate measures.

Model Code

PKE-XTU-32

Features & Functions

Features

Phase-failure sensitivity (according to IEC/EN 60947-4-1, VDE 0660 Part 102)

Functions

Motor protection for heavy starting duty
Motor protection
Overload release

Number of poles

Three-pole

General

Current flow times - min

1000 (Class 20) AC-4 cycle operation, Main conducting paths
500 (Class 5) AC-4 cycle operation, Main conducting paths
700 (Class 10) AC-4 cycle operation, Main conducting paths
For all combinations with an SWD activation, you need not adhere to the minimum current flow times and minimum cut-out periods.
900 (Class 15) AC-4 cycle operation, Main conducting paths
Note: Going below the minimum current flow time can cause overheating of the load (motor).

Cut-out periods - min

≤ 500 ms, main conducting paths, AC-4 cycle operation

Degree of protection

Device: IP20
Terminals: IP00

Operating frequency

60 Operations/h

Overload release current setting - min

8 A

Overload release current setting - max

32 A

Overvoltage category

III

Pollution degree

3

Product category

Accessories

Protection

Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274)

Rated impulse withstand voltage (Uimp)

6000 V AC

Temperature compensation

-25 - 55 °C, Operating range
-5 - 40 °C to IEC/EN 60947, VDE 0660

Used with

PKE32 basic device

Voltage type

Self powered

Ambient conditions, mechanical

Shock resistance

25 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms

Climatic environmental conditions

Altitude

Max. 2000 m

Ambient operating temperature - min

-25 °C

Ambient operating temperature - max

55 °C

Ambient operating temperature (enclosed) - min

-25 °C

Ambient operating temperature (enclosed) - max

40 °C

Ambient storage temperature - min

-40 °C

Ambient storage temperature - max

80 °C

Climatic proofing

Damp heat, cyclic, to IEC 60068-2-30

Damp heat, constant, to IEC 60068-2-78

Electrical rating

Rated frequency - min

50 Hz

Rated frequency - max

60 Hz

Rated operational current (Ie)

32 A

Rated operational voltage (Ue) at AC - max

690 V

Rated uninterrupted current (Iu)

32 A

Supply voltage at AC, 50 Hz - min

690 V

Supply voltage at AC, 50 Hz - max

690 V

Short-circuit rating

Short-circuit release

Delayed approx. 60 ms, Trip blocks

Trip block fixed 15.5 x I_r

± 20% tolerance, Trip blocks

Switching capacity

Switching capacity at AC-3 (up to 690 V)

32 A

Magnet system

Rated control supply voltage (Us) at AC, 50 Hz - min

0 V

Rated control supply voltage (Us) at AC, 50 Hz - max

0 V

Rated control supply voltage (Us) at AC, 60 Hz - min

0 V

Rated control supply voltage (Us) at AC, 60 Hz - max

0 V

Rated control supply voltage (Us) at DC - min

0 V

Rated control supply voltage (Us) at DC - max

0 V

Communication

Connection to SmartWire-DT

No

Contacts

Number of auxiliary contacts (change-over contacts)

0

Number of auxiliary contacts (normally closed contacts)

0

Number of auxiliary contacts (normally open contacts)

0

Design verification

Equipment heat dissipation, current-dependent P_{vid}

3.9 W

Heat dissipation capacity P_{diss}

0 W

Heat dissipation per pole, current-dependent P_{vid}

1.3 W

Rated operational current for specified heat dissipation (I_n)

32 A

Static heat dissipation, non-current-dependent P_{vs}

0 W

10.2.2 Corrosion resistance

Meets the product standard's requirements.

10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects

Meets the product standard's requirements.

10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

10.2.5 Lifting

Resources

Brochures

[eaton-motor-starters-system-xstart-brochure-br03407001en-en-us.pdf](#)

[eaton-motor-protective-circuit-breaker-pke-and-communication-module-pke-brochure-w12107613en-en-us.pdf](#)

Catalogues

Product Range Catalog Switching and protecting motors

[eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf](#)

Certification reports

0000SPC-571

Characteristic curve

1210DIA-67

[eaton-manual-motor-starters-pke65-characteristic-curve-005.eps](#)

Declarations of conformity

[DA-DC-00004945.pdf](#)

[DA-DC-00005037.pdf](#)

[DA-DC-00004944.pdf](#)

[DA-DC-00004969.pdf](#)

[DA-DC-00004244.pdf](#)

[DA-DC-00005002.pdf](#)

[DA-DC-00005031.pdf](#)

[DA-DC-00004545.pdf](#)

[DA-DC-00004950.pdf](#)

Does not apply, since the entire switchgear needs to be evaluated.

10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

10.2.7 Inscriptions

Meets the product standard's requirements.

10.3 Degree of protection of assemblies

Does not apply, since the entire switchgear needs to be evaluated.

10.4 Clearances and creepage distances

Meets the product standard's requirements.

10.5 Protection against electric shock

Does not apply, since the entire switchgear needs to be evaluated.

10.6 Incorporation of switching devices and components

Does not apply, since the entire switchgear needs to be evaluated.

10.7 Internal electrical circuits and connections

Is the panel builder's responsibility.

10.8 Connections for external conductors

Is the panel builder's responsibility.

10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

10.9.4 Testing of enclosures made of insulating material

Is the panel builder's responsibility.

10.10 Temperature rise

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

10.11 Short-circuit rating

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

10.12 Electromagnetic compatibility

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

10.13 Mechanical function

Drawings

1210DRW-523

[eaton-general-ie-ready-dilm-contactor-standards.eps](#)

1210DRW-287

[eaton-manual-motor-starters-pke-trip-block-3d-drawing-002.eps](#)

[eaton-manual-motor-starters-mounting-3d-drawing.eps](#)

eCAD model

[ETN.121726.edz](#)

[ETN.PKE-XTU-32](#)

Installation instructions

[eaton-trip-block-pke-xtu-for-pke12-pke32-il034011zu.pdf](#)

Installation videos

[WIN-WIN with push-in technology](#)

[Video Motor Protective Circuit Breaker PKE](#)

Manuals and user guides

[eaton-motor-protection-pke12-32-65-mn03402004z-de-de-en-us.pdf](#)

mCAD model

[eaton-cadenas-side_view-pke_xtu12_side.pra](#)

[DA-CD-pke_xtu12](#)

[eaton-cadenas-path-01-geo-pke_xtu12.3db](#)

[DA-CS-pke_xtu12](#)

[eaton-cadenas-front_view-pke_xtu12_front.pra](#)

Sales notes

[eaton-pke-modbus-rtu-modul-flyer-fl034008en-en-us.pdf](#)

The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.



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